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emphasizing the population of the Scienciated Capter and Schooland Tibes. It does
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Combudiest based on Adminostory, Demography, Concentre, Neuroorganist, Manuscript, Premiers and Colobiology with porticular retirems to distributed cartes and Stockhold thibut are invited. The articles should be pre-written in colorist peep on one sale of all following peeps invited and colorist peeps on the premiers of the colorist peeps invited and colorist peeps on the colorist peeps of the colorist peeps of colorist peeps on the colorist peeps of the peeps of the peep of the colorist peeps of the colorist peeps of the peeps of the periods of peeps of the controlled The copies of the books should be met for periods of periods.

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The suthors are sorely sesponsible (for the presentation and the manner of waiting of their attales. The opinions expressed in the strictes are also of the suthors and not of the Editor or the Editorial Sourd.

All correspondences about the journal should be addressed to the Editor, "Adibas", Tribal B Harijan Research-dum-Training Institute. Unit-VRI, Shubanoswar-761003.

Cognitive styles of tribal and

P. Dan

Cognitive servise in connectivational assistant des fiderications in preferred (or heldbassal) ways of processing information for the solution of periority and interference in the cognitive explain identification tests. Another, the cognitive explain identified to date, the held-ordered-recordered interference in the most than most expressively excelled and these than the most expressively excelled and these than the cognitive explains a considerable of the control expressively excelled and fine that the Cognitive explains a control expressively explains a control expression and foreign to the company of the control expressively excellent expression and foreign tests and the control expression and contr

There are several studies (Fort. 1988): Frederick, 1987; Greenfield: 1970, Hunt and Rendhwa. 1973 Deeb, 1982) which have exemined the relationships between cognitive style and concept learning, nonhiam solving achievement and astablished that the difference in performance la function of appnitive style. This relationship is of perticular compens to teachers becours of thate internet in haulto students, tearn, concepts. solve problems rather than faces alone. Since cognitive styles tend to be stable owetime (Witkin, Goodsnough and Kerp, 1967) it becomes necessary to identify the dognitive style of children of various socio-culture I background quite sarty in development and develop diversified teaching approaches for facilitating optimum

The purpose of the present study is to exemine the cognitive cylin of tribel and non-tribel primary School children.

There will be algorocart differences among children varying in age (or class) for each of the measures or cognitive style.

Hymotheses

 There will be algoifficent differences among bibble and non-tribul children for each of the measures of cognitive style.
 There will be algoifficent interactive relationship between age and social groups with

Subjects

regard to cognitive style tesks.

The present sought household one hundred and fifty boys of closes between 1 and 5 of Grids. Boys for each class were divided into tribal and only close such class were divided into tribal and only close has been such as the class of the close of the cl

Tools

The following tests were administered to all children as measures or field dependence—Index-purposes (Wilkin et al., 1982) only reflective imputativity (Kegan et al. 1984) which are considered as Jimportant dispecsions of oppositive style.

Children Embedded Figures Test (CEFT)
This test initially developed by Goodenough

and Eaple (1983) and utbapoperathy developed by Kenp and Konstati condition of drawings of familiar objects, so degree as oneshed in the simple form to prent and House. The text consists of a series of complex Figures 11 of which (T_1-T_{11}) have the simple. Text flower embedded in them and 14 of which (T_1-H_{11}) have the simple. Text flower how the simple. House figures embedded in them. The child was saked to find the hidden form of the control of the contr

cut-out form of Yest and House supplied to him. Responses were scored 1 or 0 according to corlect or lucorrect. The total score was the number of liams prayered correctly, the

Matching Familiar Flaure Test (MFFT)

meximum being 15.

This test was divisioned by Kagin, Rosman, Diry, Albert and Phillips (1964) as the messure of reflection-imputativity, which is accelerate important dirennels of cognitive style, it lion) was consisted of 12 axis of programs. In the test School.

subjects has required to ealect from a number of options he ignores that is identified to a glavan flagure. Both errors and response times see remoded. Children wideo respond quickly an cellful fraguishes, whereas those wine bases to cellful fraguishes, whereas those wine bases to cellful fraguishes, whereas those wine bases (1979) used the test as cellful "fragulation". Measure (1979) used this test as a measure of disciplination because of the nature of the task and the processes involved in it. Kegen (1989)
Results and Discussion

The means and standard deviations of the rosts are presented in Table-1 for initial and nontribal groups. In order to examine the significance of differential performance of tribal and nontribal children on each of the measures of cognitive spin a 2 (age) × 3 (Social groups) fac

Teble-1

Muens (M) and Standard deviations (S. D.) of Cognitive style test esotes for plazest between I

Yest		Cless	Tribal		Non-tribel			
					Low	SSS	High	SES
			M	SD	M	SD	M	SD
(1)		(2)	(3)	(4)	(6)	(6)	(7)	(8)
CEPT		1.	7:04	3:01	1012	2:49	1308	401
		8	13'04	3.08	14:08	272	1884	217
MFFT (Response time)		1	17338	62:18	135-04	77-96	182'60	98/31
		5	31376	14993	309:20	116:41	224 00	111-63
MFFT (Errors)	200	-1	21:32	876	22 60	5.82	14:12	B-43
		5	10'28	3:87	11:96	4:77	820	3:35

Table-2

Summary of two-way Analysis of variance for classes: between 1 and 5 (Age) and tribel and non-tribel children (Social groups)

Test	F-ratio					
	Age	Scott groups	Age × Social groups			
CEFT	108/876**	47285** *	1:480+			
MFFT (response time)	48'982""	1-8321	5:180**			
MFFT (errors)	99-811**	16-030**	3187*			

It is quite clear from Table-1 that on all oppilities style measures higher age-group hildren irrespective of acciet geograps. Faither it a gles appeared that, the performance of titles it a gles appeared that, the performance of titles the first performance of the performance of the medium Self on-table children on CET; und MFFT per very much similar at both use levels.

In the field independence dismension, date in Achieve an approximation from the cases decided and a second of CETS and the cases of CETS and the cases of CETS and the cases of CETS and the case of C

In order to validate the findings of CEPT. MFF7 was used to smee impulsive and reflective nature of children. These obsitties are usually considered as important dimensions of cocetive style. As expected, the mean ecores of MFFy roveeled that the response latency of pide children was more than younger children. High SES non-piles children under seven took more time as compared to low SES pay-tribyl and pribal children. But in case of phildren shave 10 it was found that, high SES con-schal children took less time as compared to low \$85, non-tribel and tribel children. The main affect for age is significant which suggests that yourney children are more impulsive than older children. The main effect for Sociel groups in not significant. However, the littersction between age and Social ordups is significant which accounts that the relative performance of social groups is related to age or schooling.

Further, the magainude of series on MFPP for tribal and mon-tribal children is more manhigh SES non-tribal children. One shirting senting of the choose resulf is shirt low SES. non-tribal children have committed more amons than tubal children at both cap levels. This way dut to the fact that the response lifemory of felial children van merr flast teller See Sigtere hat steller tree it is eller opt undersomhet steller. There is it eller opt undersomhet steller at helv age and mode group. This makes the researches to say that younger schleten merch in magnitude to obtain and animals many merch in magnitude to obtain and animals many merch in magnitude to obtain animal merch animal merch animal steller schleten in the st

The above Findings distriy demonstrate when tribel children and low SES non-tribal children are less field indonantient/reflective than high SES apportulate children, Kanan (1966), Millar and Monnotor (1967) also reported that priliective sendency is related to social class intellectual ability and higher randing achievement, Lack of reflective tendency of socially dis-advercaged children is Well related to their feiture experiences in acidemic cultures. Their returded. Therefore, If can be stated that reflec-India is a mistor of see propression as well as adaptation to the immediate environment Sings tribal children and low SES nontribat childres settain in a poor socio-cultural more impulsive. This impulsive or fieldand achievement. Learning is definitely not a simply association of information or lacts but the organisation of learning mererials and its way of greensistion are quite important. Therefore. It is quite weapontal for the sections to develop appropriate fearling materials or tasks and present in a proper sequence keeping in view the style of cognitive functioning of children. In other words, the style of teaching should be matched with the style of Issening so that children who are incapable of self instruction due to their analogical reasons derive meximum benefits. The studies on compensary v education programme (Jensus, 1985) recorded various remedial approaches to reduce the deficits and glos. The partern drill appropria (Berrier and Engelmen, 1966), early stimulazion secutables (Enorm 1975) and the enrithment syncramuse (Etsus, and Guay, 1966) have wider implications to teaching letterion?

process. The processing style is more important

and should be element from the beginning. The lenginocient study of spiciar Hodges, Me-Condiess (1997) made a beautier Hodges, Me-Condiess (1997) made a beautier in emphasizing the processes aspectally cognitive, preventual mod linquisities of excelling five advantages are supported to the condition of the abstraction of the abs

educition the banage of cognitive style in general and the work of third depondenceindependence is particular, which at the moment papers to have classified implications for classroom tracking—fearing problems. The findings of pressint investigation come up new stansaries and generating problems. The commodity and interesting programmes for citidian with lower social packing-upon quite style in development.

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THOKRAIN-

An Indigenous lighter used by the tribals of Similipal, (Mayurbhanj)

R. D. Girach Z. A. Ali, Amir Abbas

Introduction Similipal bills cover about 50 per cent of the

famel mex of Mayrubhan) district. It is the horse of may ribbe. Trobs (its Bashud, Rol.) Ho and others the in Estimizab Nils. Trobs rise attll septidad from chillistoffs and maintain their traditional histogram. They depend upon according platfals for that various resoluments. That the is closely interversely with forests. That the is closely interversely with forests cannot assessible to tribill trate back make the property of the control of the restated them; as such that have distributed septidad by problem (its, using distributed septidad by problem (its interventation)).

During authors ethnologanical tour to the erea in February-March 1985, is was observed that tribots in some of the villages (Santasira, Kamari) and use troditional Indigenous methods for producing fire.

In this communication, the iraditional method of preparation of ilighter: the parts and the process of lighting fire are described for ethno-botanical record. Information is also given on some of the plents used by the tribals to produce fire.

Indiagnous Lighter

Bamboos (Grassinse), ase of great importance to the indigenous people of Onices. Bamboo provides saw material for building houses. Righting rists and many household strillohe. (N. Parinalis and Des Perinalis, 1962). Culm of Bamboo are used for various purposes by the miliabs.

The use of bamboo culm as one of the raw materials for making indigenous lighter is not recorded as far from Oriess.

In Similipal hills of Qrises, tribals use bemboo seim, epocality of the genus Dendrocalismus as the new material for indigenous lighter,

es the nave material for indigenous lighter, referred to in Similipat hills as "Politain".

Previous references to the use of plants by the tribule to produce fire are reported by Sazena stal (1981) and Patrials and Dae

Petinalik (1982).

Several informants belonging to tribal commuality were inconversed concerning the method of popuration and use of tighter in Sankastra. Kumel end geograpis villages of Similpact. Plants provided an ascellant source of Information and former demonstrated the process of producing

Freparation

Bamboo culms into further identified), sie eakscual on the beain of their length and diameter. The culms 10—15 cm. long, having instemeds in between with clientered both cultimode in between with clientered both 225–35 cm., (hickness of 2 cm. is opsidized anatysis perither between two, hollow ends of a culm. Durin is excepted at interneds and at the order with Keti (Rohle) to make it smooth and the node with Keti (Rohle) to make it smooth

of Tusser—An indigenous plent, totally known on Asian, (Terminate terminate), a tree belonging to family combinenous, commonly met with in

Similipal hills, is one of the suffective hoster for Yuser (uilk worm paper). The empty shalls are collected from the host plant and used as fed to cover the hollow ends of cutm. The shell is cut transversely inco two equal halves. Each whalf of an empty shell is accupped in such a way.

that it fits tightly on the end of the culm.

Threed—it is obtained from the woody climber, A malfapurpee plant for the sibals locally known as shill (Plantam Integration) belonging to casealprinaces abundantly glowing in the site.

Upper half of the truster shell is threaded at the top with a knot and upper and of the thread is tied in the hook made into the piece of Iron (A knife hite struster).

Cotton—The fibre from the fruits of Simuli (Bombar ceible), a too with thomy stems and high principles and professional stems from the family Bornbacacoe. Frequently seen in the seed to collected in Minch-April and preserved to use as action in the upper helikow and of the nation.

Alinf—Three to four pieces of Ries stone, locally known as Chalmak, are collected from the river banks and spared in the lower half of the curm. Both the ands of curm are eightly fitted with justes halves. (Fig. A. B. B.)

The regions replies "Reviews" will carly measure \$15-45 cm; in lengths and 40 cm; in distances which may easily be carried in a poolax. Tusting cover hights to collect content (\$2500.05) from usin as well as to assimplish fire punches of content to the throughout carb transverse it content (\$2500.05) and that conset are repliesed regularly, content to the content of the content of content to the content of content to the content of
Cotton obtained from Kappo (Gostypium sp.) may also be used if simuli ootton in inc. evullable, One of the informent sold that Simuli ootton is batter than Kappo cotton for the grapone.

Process of Lighting a Fire

The method is bated on this Principle of procession. In this method only a piece of time and piece of line soon or reputed. Use of time soon to light a tile is one off practice which is still prevented to good of the utilities of Smilligal Historia.

Process of lighting a fire by Thekzeln was demonstrated by one of the tribal inhabitants of Santasia village.

A plots of Fine is select from the lower built of the sum. Upon half is the objected on the sum. Upon half is the objected on the half of the sum of the s

It may easily be carried in a pocket or hand, (Fig. C). It was quite common to are the not folk weaking with "Thoketen". https://pi. in right hand not being propared from Dhings (Toketen on who be common to the propared from the heart. It is also used in the house to produce fire are the notice propagation. The produce fire at miset around the house to produce fire at miset around the house to produce fire at miset around the house to tree on of wild intimize.

In addison to the method oil producting life precursion. If was optioned by the authors that for making strough wood fection with a discovering from making strough wood fection with a discovering the strong of the strong feet and the strong of the strong

Day page are made into wooden cylinders in our cylinder, circular grooves are made with A small either a elect in it. A spyroxymatry 2 cm, span from each other. The lower and of other cylinder is shappened in such a way to fill in the circular arospec (Neath) of the first cylinder.

The cylinder with creater process is Apol to a year lot of, a ploth of time and it tage in a benefit, defiling with the second cylinder produce friction as a need rend of the insurb-bosonic bit can fall interest the size on the ory last in the protecting method is better the size of the cylinder or the consumity, earliest to be distrible and risks passing through the lands over with time for interesting to be distrible and risks passing through

Because of the light and soft twige they easily used by the bibasi for producing fire through brack and may be unavailable in certain forest friction are Mysterches asportrists L. (Godkhuschool of human activity. However this may be dike, Carten ablongifelius (Maha Sindhu), considered as temporary method. Other playts Prames lecifalis and Adina (Contilloile Mundi)

ACKNOWLEDGEMENTS

Authors are thankful to the Director, Deputy Director (Tach.) C. C. R. U. M. Now Delhi for providing recessing facilities. We ere also grateful, so the tribal communities of Similars hits for giving us velusple information. Our thecles are also due to Dr. S. K. Jain, Ex. Director, B.S.1, Howrah (ndia) for no no through the manuscr pt and giving valuable suggestions.

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7881 Explanation of figures

Fig. A. (a) Thokroin--Indigenous ighter

(b) Various components of tholoses 1 Yusser shell (Helves), 2 Bamboo culm, 3 Nodel region, 4 Thread, 5 ron pless,

8. Film stone. 7 Smult cotton.

Fig. 8. Friction mothed of light no

Wurden cylinder with circular graces

I Cylinder with Estern and. I Sand, IV goed out, V Slit VI Hearth (Groove), V I. Direction of drilling.

Fig. C. Tribel man holding indigenous lights."

The Kondhol Ciriage (Tribal and Harlien Research) cum-Training Institute Bhubannewar Otlese) Sezene H O M Brances and P K Dutte Ethnobotomical studies in Crisso. In Gloripses of Indian Ethnobotzny S. K. Jain. 86, 234-244

Ethnobossnical Lores from Ajmer forest division (Rejetther) Sachitre Ayurvada 30 . 800-955.

Study of Women Development in a changing economy with special reference to tribal women in Rajasthan

Illa Chakravert

Introduct on

Women as human resource factor account for development of a society and this has been given emphasis a regent years, which is reliected in the programmes for woman development and the necessing starsture on women development studies. Women is a group is dissayanteged dusto ecclo-economic condition as a frault, women are o'ers decred or not while to ever enual op a unity in improving their of regarding skill, knowledge and do not have more time and energy for achieving these Over and above, they feet distriputation and engregation in regard to jub and pay. But all the women or a not be put in the same occapory Women belong ag to weaker action a e viorse off. Agen-In this group the problem of tribe women needs anacia: attention as the tribus are a particularly disodus tested community whose culture and Ifs were marked by homogenuty smiler has disintegrated after they game in contact of the non-tribula. Tribel economy is operating at a very few level and majority of stibal areas rentern Isolated and packward. 5 Tribal areas are charaoffrigod by socio-aconomic emitigation of nontribers but the tribers still maintain their reduces and builton Which influence that netivities It has been observed that several more retil man to work in some oblighes, the religion is prominent. Thus the passers! people of Africa year certie in order to secrifice some of them to God while the Bhile of India practice the system of outlivation transmitted to them as they believe by their God Raja Pantha,2 Possibly this fact somewher explains the slow adoption of New Yachnology by the tribals in Raisethen with ter

pert to agriculture and it is connected with cultural and social pottern economic comidentations are not the only morthation factor.

In India, development efforts are being made since Independence but in this i process 'development activities have not led to equive anyolvement of warren 4. Alth- ugh social change in the value system is intoessely for improving the etable of women yet the a toolines releasing women development are to be accelerated. Studies available on tribal yoman in Releathen desi with admin rause and dearth of literature on oconomic earned reselled to work participation, neture of tone done and their future prospeces has led to present study. An enalysis on work national has been eterrated on the basis of larget gyallable Consus of 1984 and the programmes drawn in Saventh Flux Year Plan (1985 ... 80) in particular, have been discussed here. In this people on attempt his been made, to enviry the position of terbal women with enemy, refuseens to Bhil women in Udaipur Rejestiun State In indis and the development afforts that are being initiated for their oconomic apriltment Bears Features

The quietion of economic uplifitness has to be seen in a particular framework in which the tribal women operate. The basic features are

A A Pytical telbs economy is not a market economy or no other would they we subsidiance. Economics, waterever they are producing greater part as bosessed by sharestime. In 179bs. Sub-Plan (1891) area of Repeathury, 45, 48 per cent of the farmest share sea that I bettern of land as their hording. They conduce only substitution goods to ship, usual of noome is now. Provision of off-sesson simpletiment given become of utmost impossance to vasid off hunger in shipse.

B. Yellade do not work only for economic motives they your other things more in life such as dealer for easterance, conferency to teacher, recognition for work well done by the

C Labour division base on sex differences in getter my with but radio is a removable in the food gethering steps. In a simple and gore tripe entirely, write participates on equal tooking with her husband in the struggle of life and is also equal needs in mistue. But this position changes when the tribel comes in contact with non-tribute ind/br food producing stage such se genne in their cultural and social it's after their postact with non-Bhile, seprelety Rejouts Cortain rights practiced by the massale, e. c., skeling a markage, were adopted by the Blair the use of 'purdsh' is enother sustain which the Bhills adopted. They also insent about settled and improved farming methods and ourdustry gave up their wheat and burn' outtivetion At the level of ideas, combines like politition, antouchaldory, subordination-superordination orete, and its major utes, came with a the knowledge of the Bhile. Regarding the Bbs' women the division of labour borseen the mates and females have fallen very heavily on that of women,4 A Bhill wooses of Regestress works in home as well as n the field with her Aughord. She works as labour in the field. construction works and supplements, the income of the family by weaking as a cascal fabour during off sesson and also participates in agy at pre-pre- he farge Parents demand by do as we same of the time I may age of the girl and this may be due to the feet that o Bhis daughter stores a aring to score bladen from a very early age and as such is considered

es an according select.

D. The principles of descens whether patrillined or metrificant has nothing to do descent with the control of the co

existence of these does not reversal their execution of physics does not reversal their execution of the physics of the physic

Work Pattern and Literacy of Tribal worker.

As expected data are not available suchusively for But worker, an overview of tribal worker in Udaliper district expecting work pattern, fisheapy must dearly rigid a brought out in the light of

. SR Cana de a In Udaipur district the sex ratio of trips popusetion is more basenced in rules areas then the urban aleas. In rural areas 50 1 per cent of total population is male and 49-9 per cent a female whereas in urban areas 55.5 per cent of the population is male and 44% per cent is female We have not come across say explenation of this descrepancy of the sex-ratio between urban and ural cross. But in this context one would better take nto consideration the facts that migration n urben steam for robe sity mostly among makes searcing behind females in rural areas, may be in urben aruse, females ore subject to more advance conditions on job market and they may find urban life more tede and fast as compared to regal life. Any way all these need emperical verification which is outside the scope of

Regarding Tenery tribal women are far solving or down of 19th principles but care for pathod feetable states rate of 19th principles of 19th princ

81.2 percent in urban areas respectively. Consi deving different types of activities as comm workers mostly tribs women are approach as agricultural lebourar constituting 41.8 per cont of total agricultual shouses and under the extensive of other workers' tensiles countieurs 22% our card of east rural workers. But it is interesting that femore visuokare are overwhermingly large that se 93'6 per cent as many no workers in ruini arees of Udelpur in other words most of the tribal women have to take up some work for a period which is less than six months to subplement the secome of the family. Receively less females are engaged in Household Industry. Manufacturing. Proceeding, Here if may be noted that, as given of Pribal development in 7th Hos-Year Plan, for Tribal Development in Resettan,4 that erbala in Pajaethen do not have any trudition of rural traffs Processing of forest produce and harbal plants mineral development and self amorgament can

As non-mones (now assistive various was not offered for each plant) - run vomen constructed 61 - por cent of fould - run vomen constructed 62 - por cent of fould - run ventures. Thus the study of work partner research graftly, that implicitly of comman, which is supplement the plant of the run venture of plant partners of the plant of the run venture of plant from the through which is affected in the motivation of plant partners with the plant partners of the property of the plant partners of the plan

be the only worthwhile according in unfactual

Tribel Women in VII Fien

The basic approach in Vit Plan reporting women development programmes is 'to inculcate confidence among worken and bring about an awareness of their own potential development and also of their right and privileges, as the long term objective is to raise their economic and social status (P 324, VI Five Year P an. Vol.-1885-90)? The orgatemmes for Scheduted Triba women in the VII Plan is to remove brickway sheer of tribel women and for that atress on #combmit, development schames have been given and white executing the programmes, it has to be curred that tribe women are satisfied under score generating progressmes of integrated Burel Development Programms (RDF) and Species Central Assistance (SCA) and the voluntary agencies of women organisations. Moregver, tribal syndem representatives are co

be included in programme implementation

As capada women devolopment programme for influential may be profit or programme for the devolopment of trotal women were taken to the highest programme for the devolopment of trotal women were taken to the profit of the devolopment of the d

As agridulture would inoutinue to be the main occupation for tribes, amphasis will be now an to produce " low value and high value proce". skricultury is one such item. A busy project was stanud in FSP area during 1982-83 for 3 years to bonefir 300 tribal women. Under this scheme, 188 women were benefited during VI Planperiod and this will considue during 1885-86 A scheme for training of nurses and compouriders is in progress in Banawara in TSP and 30 mber olde are so be trained in this solume. Rural women are benefited through the programmee of Khadi and Village Industries A sum of Re 160'02 lekhs has been provided during VI Plan Programms in TSP stee for Khadi and Villege industries. As the Steragy rato of tribel women is very low, a sum of Rv. 42'80 lakke has been samerked in the VII Pine for increasing literacy among schaduled tribe girls

Keeping In view the plight of women a protion of Rs of 15 faith has been indee for the destitute increase as Banswers and Dungarput for accitally deserted warmin. An UNICEF asserted programme in Benevate district at bong impairmented, the objective of the programmer is to increase that nooms and to provide supporting services needs for income generating activities.

This is beginning his been made in the VI Plan to uplify the economic condition of the tilbul worken through education, skill formedian, and beater health, end that laking education issuff, or book gray who were come out of a thirt side , as we have found earlier the although services were proposed authorities of although services when the conditions are the control of the control of the conditions of the

only 12 year own of seed verifices, year is realised too the set the purpose of verifices on the purpose of verifices on the purpose of verifices on the yeary years gaps, see next cleans, and produced in an odget the purpose of the quinties and year feetiles. When year of year the purpose of year years of year years of years

Locking into the VII Plan programmes for TSP axes for viciner, it to obvious that effort is being made to being than in the many extended the asserts, although a provision that been made to malique in these culture. But coalest with son-thistle hear changed their index in matry.

respects se noted corder as a result of which the buildes on wigmen has grown more as male member finds it disrogatory to parform many activities which they consider now typically wromen a responsibility ceries the accusty was rages equal, in this piscess of development the emphasis would not only be on Proserva-Hon of tribe) arts and puliture" but sixe on the good aspects of tribal life, and in pardoular sous status of women. Som junds have been paymented for "Preservatio of tribel art and culture" in the V-I Plan for tribels. How for these are going to help a improving the stesse of tribal women is questionable. By oncert creating more job opportunities for tribal warners the overall burden on women may be heavier which is in no way going to increase the we which the women Mare emphasis needs to be place of on propervation of equal status of tribal women

Table 1

which is a specie

Literacy and work pastern of Schoolided Tribus both mels and female, in Chicipur district, excitaling municipal sters.

			axco	saudi man	Parket server				
_					stion of S	oheduled Tr	(bes Urb		
St. No			1899	Male percon tecon	Fémilio par con 1699	ho of persone	parceu-	Male percen- cage	Pamale parager- tage
,s		(2)	(8)	(4)	(8)	(6)	(7)	(8)	(9)
- 1	Population	792,922		801	49.9	16,234		888	44 5
2	Literacy	45,382	5.7	947	B-3	2 983	184	881	118
3	Main workers	240,302	30-3	86.7	133	8.171	38-0	81 9	181
4	Custivators	192,851	243	91 2	8-8	957	8:9	89-8	101
5	Agri Lebour	22,588	23	58:2	41.8	840	3/9	70-9	29-1
8	Hou as ho di	371	0.05	71.2	28'8	52	0.19	88-7	61 3
7	Other workers	24,512	31	773	227	4,542	27-9	81.9	181
8	Marginet workers	106,587	134	6-4	83-6	597	37	139	861
8	Non-workins	448,033	662	40.9	591	9,465	58.3	40-9	591

Source—Compiled from Carette of India 1981, Suries , Part I, Government of India, Primary Coasus Abstract, School led Tribe.

Feature of the grimfleve tifbal life and these values need to be selved with proper depiction and demonstration. The enthels, no leavely people and timy have the capsorby to face network hazards and handships. Third interest to take up the new technologues may be due to the fact that oper from their religious helief and motives, these new membeds do not sufficient way of life.

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Attitude of tribal farmers towards credit

S K Rout and B. Parasar

odas. Fyrmere bane yes to develop a Schemitto perception about the restability and risk that the perception about the restability and risk that the perception and the scheme and the scheme and the perception and the scheme and the perception and the scheme and the perception and the scheme
Past that need consideration is that exist development process has not ver built any mechanism for the me mentance of to incombitum. Most of the stipal communities have not ver

• In pilos: commercinities of leadin: the features are soot: enough more to take any stake of investment on modern agricultural imputs. This is the verifressoo why casy syntability of credit is restortion rates of interest is impossing for the growth of colembilis: agriculture in those deeps.

Analytical study reveals that the main cause of low yield its non-availability of Finance for faming. So it is nucessary to ensure satisfactory energements of credit for agriculture.

Keeping this in view, a study wise undertaken with the following objectives:

1 T nears the implement of series families of more tentral creals

2. To ideally the bottle subschedule of affection type creat arealong and improved habit of bigs forms a

Out of the 13 diums of O = Reconstruction is useful as A is predominantly in the brack if you will ke you at a five it were a butted and term time. For a labelia teen grain precription were orbitated in a processing in the proce

Die.	1679 of ten respondents from each. The informations were econd	ed worr the	help of
sin.	onuted schedule. RESULYS AND DISCUSSION		
	TABLE 1		
	Attitude towards pradit		
	Romehents.	M. S.	Block
	Seeking Credit does not part from for the Development of Lead	3'00	V)
2	t is write to obtain medical for improvement in production	370	W
6	Farmer cannot progress if he reserve to credit	2.72	VII
ů	More credit moves more invastment in production	3.80	T
	Colviander will be benefited	2.70	WH
6	Credit obtained for aging this you pose our the spart for other	385	- 1
	purposes. Farmer who does not take credit remains to be staditional	3:37	V
	To the second of the second of the second to develop	392	

A partical of Table 1 revenue the tribal propersion credit is cedar of importance as follows. Furnities require credit for their development credit credit records continued for reproduction can as well appeared from any other purposes are or more credit manner in production. The host processing tests are cell leaders with as practited when money is but credit from them, formers coming or propersion of they repair to a dark and study agreed room enti-credit for development of credit can be considered from them.

Rholings at a gance over that credit is perceived more flavourable by tribal farmers, does aspects of credit were highly valued as against unfarou able aspects.

TABLE 2

	Perception about credit			
	Statements .		M. S.	FERNIC
	Lose & a borden		1.07	V
2	Loss cresses future financial opmolisations		2:12	IV
3	't decreares Sublat Prestige	1.1	3.02	V
4	It helps in meeting unnecessary expensiture		2.02	٧
5	Local is a burden for future generation		2:30	111
	Loan stands on the way of self dependency		2.32	- 11
	Is Involved risk for repayment		2.57	- (

Has life presented. Topin 2 reveals jetrapion of respondents towerds is old from various species. Abort of the index famous flost that continuous file, for resources (267) stands on the wey of air jumporatory, 2019, a burde of films, grantation (2019) of cests future little open called in 221, in order of raise. The test ranked flow observed to be form as distributional and in decreases scaling to state.

The result depotes that among the negroup values of credit evolvement of risk for repairment entering the negroup values of the ribbet farmers are globy, traditional language and their risk peering copacity is loss.

Barriers in obtaining credit

Bearines in obstancing orders view often percents and administrations woulder that in solds of extendibility of a least of cindle facilities many of this farmers do not make use of them. An attendibility has been made to destinate the bearines as aboliving condition of follows:

TABLE 3

FABLE 3

	Statement	٠,	Preguency	Perotests
1	Sophetrotted process		150	76
2	Difflostry in repayment		 174	87
3	Not streety evaluable		184	92
4	Being a ciefaulter		118	68
6	Securing product a expensive		1.35	68
8	Undue delay		152	78
7	Lack of encurity		70	36
6	No means to secure stedit		24	17
9	High rate of retorses		80	28
10	Malprocitic adopted by sinding agendica		56	28

Roou is rovers that unitarely evaluability of credit is the most important obstacle in obtaining four in their areas. Major obstacles found in order are undue design of RCL by in repsyment is oph sincled process, operative in seeking credit and detailures of importment.

Defaultation is a problem in indian crodit programme. More in ball for more fail to repair bank credit in three. Accomplished of code whe other year loads to lings, complicacy and farmers do not got approximatify to take credit again.

CONCLUS ON

Efforts were coade to determine the oriflude of hipper towards credit, their psychological pertaption and the reasons of being defaulted. The findings of study reven than

- thippis view profit as very example! for development of ferm
 Thips! feathers are with the view that the gradit obtained for one purpose, can be sport for
- other purposes and higher credit leads to higher invisioned and production.

 3. Yillook families purposed credit on risk for imprimisely observe to said dependency and builden for facing operation.
- 4 They express that loan is not available to them at the time of need as it is a p-chiscosted process and peopuse of difficulty as operation.

Changing ecosystem of the Tribal with special reference to Deforestation and Forest Policy

Menoranjan Acharya

The study of appropri deals with the brodits and till ethylronment and the acceptatem which is the largest functional unit in ecology. The term Ecosystem was formally provided by Tansity. the plant ecologies, in 1935 as a general serm for both the BLOMF (the whole complex of organisms--both animals and plants-informity living together as a sucrological unit) and to Mohitar F P Odern on englocust delines the ecosyglem as the besic functional unit of organisms and their environment, interacting with each other and within their own componexts. But, a more practical view of the sonsystem was suggested especially at lower levels 's micro-scale) by Foeberd in 1963 as a functioning interacting eystem composed of one of more consulared and their effective emugament both physical and biological Fosbero. further developed his concept of ecosystem by his statements, the description of an ecoeveners may include its special relations. inventories of its obviocal feetures, its histories and ecologics niches, its progression and its basis resources of matter and sparcy, its patterns of displation of matter and energy, the nature of its income (arout) of matter and energy and the bahaviour or trand of its someov level Robinson has defined accessors, metricity

Robinson has defined ecoptystem, "which clearly embraces and involves very complex sustainables both of magn and more scribes, it can think of simply as a belenced complex of fiving and more-living resetter to a given unit of easy.

From a structural view point, in ecosystem comprises 4 constitutes a such as; objects substances, producers, consumers, decompasses

Forest is 1-rang community of passes and annexist is a Projection of the Roticos of locality Plac climetts. self. Inoposphely and bucile rollmans. The sending forestee not he result of forestee the heavily of the second of the self. In the second of the destroyed of the second o

definite gowth betterm. The growth is located that the limit is linguish as exceeding. See every year forced any ording termshing is paired growth. The control is not beginning to the control of the co

As forests constitute a living hody in hos-

When the question of foregry, or foregr management erises, we very other ignore or simply keep side the age long practices of facest management of the foliate. Tribal communities have their own customery laws for management of torest and ferest resources and they are not reckiese predators of forest resources. the their non tribal counterparts. They used to segard forest se their own property and hence never exploit is to los devastes no end

in tribal societies a human group generally adopts a natural species of plant or unimed seme soken and t stere risings accorde towards that Total symbolisms collection sentiment if the group that has adopted it and they sent-ment up successed to more lossomer sorrection the Sapin and Anderson Manders People express riskel emitudes to a range of natural apecies

Durkhern (1915) and Radcliffe Brown (1952) saw speemen as a mechanism by which a avadem of social sole, new a suspinished bee ween men and nets a. It is a way of beinging the natural world within the social and moral pader of rean. Totalesten is not only a mode of symbolsing social groups but also 8 way of domesticating nature. It is a proto type of *#110107

The tribut of Crissa worthin forests, hills, weater-resources with the idea that these are controlled by the presiding deitles of the stid phenoment. They believe that uness they eatiefy these spirit they will couse hazards and rector in their day to day apparance

There is a symblogic relationship between forest and silbers shrough ages. They follow shelr pustomery precioes as to which type of fruit or crop is to be eaten at which appropriate sime of the year. Tribals collect barrioon shoots during raley sesson sa food stam. While collecsing the same they invariably score the healthy one and pout the weak one. If there are a number of healthy shoots around one styme. the Koyas leeve one of the two and plack up pinece. They be'led is that if there will be too mady of them their growth will be stunted

Tribals have their own texonomics of flore and laune. They are familiar with and neve a thorough knowledge about the growth, maturity. alliprescence and ducky of prants that are evaluable in their own ecceystem. Their mode of management of piants and other formet resources is based on age old experiences. So their mode of management is not detrimence for the preservation of valuable species of plants When the shifting cultivators clear up a fresh

perch of hill also for cultivation invertebly spare the upphil plants like Sal (Shorea Robusta), Pagess (Phercarpus Marsupium). Teak (Yect one Grandia, Handa (Yarrangia chabule), Bahada communica Bab col Sheku Delberges unt Autra

Manag (Manydellh Indir's Trimule (Templindelle Indica), and jack tree, etc.

that prouples a special position in the culture of all the tribes of Driess. It is not only pervious from the count of view of pimber, but oil its compo erre are siso equally valuable. He leaves are used for preparation of rest plates, and rander things and used as 5 oth with Oil is extracted from its peeds and tel barks and tender room are used for proporation of medicines. It also varids ran n gum, or and cocoon is in a holy plant for all the northern Munder tribes of Orese, namely Smits! Munde Ho Birhot and Khutia Every Santal veloge has a grove of Sal trees which at known as Jaharthan. This is the most important strine of the Sental where all the Gods and Goddsesses reside

Litarwise Metrus is also regarded as a holy plant by a number of Dravidian tribes of Orinse, namely Good, Kondh, Ollar and Pareng, Gadeba and Koys. It is also prested as holy plant by Bondo, Szore and Didayl were being the Southern Munderi tribes of Oriess treet this tree as ascred plant

Wirest provides the pibs's food, beverous, pil, seed, medicine, timber, grass, foddet, 100, realt, fuel and many other useful expicise. It the strage of tribule, forest is a vadequied depository of sustangence. Tribal life cannot be thought of without the forest. Fo set is liquied in his pleasure and pain se-well as in his eufflerency and Insulficiency

Freezi ecosystem has been changed to a considerable extent making the life of the forest dwolling people and the fate of the manufed miserab e due to the following factors

Changing Forest Ecosystem (Deforestst on) Acaseting to Hanson (1982) forest to a sland of year, growing close together with esscouled wents of various kinds So the denominant of a changing forest may be explained in terms of delorestation u.e. the loss of plant growth due to various reasons which brings about a change in the ecosystem as a whole Some of the significant possible payers are as below

1. Shifting outriveries.

It is practiced in ports form or rightr in marri wherea of the troopical countries of the would letters the main behitsting of the pentils are us the forest or hills. It is a cultivation for retation in the hill alopes and hill tops by the method of slash and burn tillage

Shifting cultivation may be defined as an noricultural system in which forests are cleared by cuttleg and supersont burning and a cropped giscontinuously. A farox humber of Pibes practice chifting cultivation in various patts in India for their livel bood. Among them are most of the hill tribes in Astam sensclattly Garo. Name and Khae Mikir in Medity's Predesh. Bains and Korwas in 8 her Kharia. Pahar a and Todes In Terry Nedy, Kondha Gadeban Sagra Parola. Kova. Bhulyan. Kois and Juanga in Orisea

Due to shifting cultivation, the forest is not only throsed up, but also the forest land is converted into open fields in course of time. devaid of forest growth

2. Cutting of timbers for soonomic benefits

At present many forests are found to be belded due to the frequent cutting of timpers for . willing in the Marker. It gives economic benefits to a smel segment of the oppulation while affecting the oterest of the year majority Besides, the Government have also been correcting Circultée revenue through auction sale of reserved forests, thus encountging the auction holders to emilo's the forces resources to the musimum Vary often under the stab of the legitimacy of these suction countries take search to indiscriminate

2 Due to natural calemety

casely, resultal geartiles like floods, cyclones 41 MF also responsible for disforestation. Very other in your result in the bracking of tail prante thus one mating the plant growth. Besides auceanive after rad ylion and reinfall step check mant growth by destructing thick vegetation.

a sum, thesis are the verious spanis menoralism for the change of the forest occasion and thus now a new dimension to the problems ensure out

Forest recovered for centuries had been intricably bound up with the life of the tribal communities. As forest dweller they are the real quarodian of forest. With the introduction

of forset policies, tribals have been estranged from the forest and vectorary Government Machinery was developed for actentific management of forest so that national income can be

Scientific menagement of forest envisages proper sessisment of the scrue increment of the forest so that this pan be harvested annually keeping the growing wask intect. I is not possible to ramove the annual increment from each and every plant. The annual increment in a body of forest a serimated accentifically

and their quantity is removed from the said body of forset suber by selective falling or by clear felting. This is otherwise known as solverlic commercia freezery a natural forest.

is scientific commercial forestry there is considerable interforence with the natural etological process. In aslantific exchapement the foregra which are always in minority are fevoured against the flesority. hence Man's efform are so keen the netural ecological prograttion in check

Such starfarence is rates prosourced whore entire percher of forest are clean felled. It is tees where selective ferlings are carried out But with the present system of forest manage meet the forest amountation privilegs generally some so the non-britist nannue to whom the total vacatation is of lists interest and they madell the forest so the last and of their privilege. At the same time they do not forget to fulfil they vasted inferest in manipulation, the Government Machinery by which the objectives of scientific macagement is being hampered

These is enother aspect of scientific

commercia forestry, which also has viset mlivence on fereer acceystem. Only a few species out of the yest multitude of plant community in a natural forest have been found to be floor or able than the others. The torught a afford a ting on steep fine in a large source and as feet as possible. He often finds d much are et to applaye this by tempylne the satisfing forest conwith and plant three species

Tribel people fiving in persiculal peographical region develop a deep sense of attacheens en erain flore of their locality. The trees ike Sai, Mohus, Kendu, etc. have considerable importance to their economy. They so sty 4 a per ramon of their do by meads from these Take when a new aprices is infroduced removing. Die indigenout florir, tribial Poolingreets in 1.1 his beier nyteine die Blieghoben desteyt when Bilter State Foreie Development Copperstein begein in session in die Meiser auf der State State State State State on beier his Beier der Beier in der Beier der werde ist des sessions der Beier der Beier der werde ist des sessions der Beier der Beier der werde der Beier der Beier der Beier der Beier der der Beier der Beier der Beier der Beier der sessions der Beier
ender a Stat plant

en population

The impact of the changing forest eco-system on population may be discussed under the following heads:—

I Effects on Boil

If educates the famility of soil by removing
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If Effects on Human Population (a) if affair a distance in the service
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(B) It states serves still explon—Due to heavy

etil, excess water flows on the surface of the soil

and violent blowing winds ramove the particles

flows the soil ___oss of tertite top soil a called soil

erosion

(s) it makes a difference to exhibitence seemon—the special in the foots area month of the seemon of

I'd) it cause heavy floatis---Thick plentition elevel as a check against the rapid speed of water from Junior floats. Beforestance, on the content ellows the water to come down with much speed and velocity during sential, sheetly causing floads in flores, which egain bring insummunitable materials to the civilian popular.

(a) If course AUTOpy of need-note—During floods water hings down with the heavy quantities of ecoded soil and atomis. Those are deposited on the beds of reservoirs and gradually hose beds get sited up, Thoreby the impatteecountries of reservoirs is greatly reduced, but bringing an obverse often on the examined lives of the pools.

Liff B causes emigration-Deforestation compale the population depending on forest based food stuff to move out of their nettye niaces n search of food. The forest eco-system largely fulfills the primary moeds of the forest dwelling people, which panned be possible due to the destruction of the forest growth. They are thrown guitablica to noisequoto lanoit-bass mant to tuo forest produce: consuming a part of it by spenisalves and selling the remetaling ps + In the open market for other daily recreatiles. This results in emigration of a large chunk of the population to urben and serv-urban aress beeking employment to eke out a living As a result of this, their traditional outsired unity in the group life onto disintegrated and the age old strong social thread blinding them together gets ensuced

(g) It ofscorers authoric about — Every human, being a psychologically intilized toward and a psychological profiles and a psychological profiles and a psychological psyc

The Similipal Hill Area Dayelopment Corpostsion has been instituted in integrated epproach for the development of the tripits as well earlie forest. The objectives of the corporation may be the economic sehabilitation of the tribes, largoduction of hericulture, soil conservation and making national park a tourier regon, it is observed that the forest contractors are taking leases from the corporation in the name of local tribes who have got preference in guetting land for cuttivation indiscoverings buildowing of land by consectors in the violally of the bill, causing considerable damage to the forest. After making the forces law cultivable they have started poseto guitivation. They are using furtilious and postioldes so extensively that wild animate are reported to be dring after taking water from the . seems If this is the state of affair, the ecological problems will be a cause against the tribes as well as to she torest ecosystem

According very sky/ficent problem relate due to the lighted/ficent Prilided. Like Prevent price Act. Moles of the ships of Ottess have correspond to the ships of
For vasious reasons forests are fast shrelding whereas the population depending on forest a feet growing. As a result of which generate on forest and forest product is mountainly with a present system of was agreement, considerably more in estimated from the forest thin what it can yield. This laded to report that the forest opinion in forest on private the control of the state o

polisical and socio-sponosoic conditions of the problem against the best deno of a changing required polisical control of the control of the problem against the best denoted by the control of waits by the control of the control of the control propose is distinguished due to fusion the waitshift of the control of the season of waitshift of the control of waitshift of the control of waitshift of wait

dealborns offense has not excelve. Fooder, so recrusify which pages brings in its result was many the dealborn of the forest based food and had been seen at the control of the approximate production, and indeed of food approximate production, and indeed of food fooder to within and seen when trave several popular to within and seen when crase several popular to within and seen when crase several popular to within and seen when crase several areas. Force induced are now of the many areas, force induced are now of the many control of seen food food for the amount force in the control of the control of seen food food for for any food of the control of the control of the control of seen food food for control of co

In sum, deformeration leads to a cotal change in the social, economist and cultural life of the people and forces them to lead a life of poverty and miserly. So the remodul miseures in the process of feforestation.

Suggested remedial messures

Figure the above discontenions is will be seen that the changing forcest accompletem caused due to delorentation is age to do unmortal dereuge so monitored as a whole Green's dereuge so monitored as a whole Green's dereuge are will industry in a not half-set. The following are the few suggested romed-anneassers.

(1) Deforestation is largely caused due to insufficient availability of firewood in villages Village forest shoots be developed on Government layers in villages to cate a law firewood needs of the people Cafek growing section should be pleated to give quiek results under the social foresty robpers.

(2) Farm forestry should be developed over the lands of individual Symmes so that they now, besides anomal pole financed cognitiveners, all the largius fire erood in the markst. Government should encourage the actions of farm forestry by greating exhaulty of inconsum, on that backets materialing ecologics batanos. It could become avuitable for commercial energies.

(3) Duz.national policy to coper 39) per control in the tand bear with forest growth should be strictly welchewomed \$\$\frac{1}{2}\$ will give present a verige is less than 12 per count officefor elsop thinks 12 per than 12 per count officefor elsop thinks to taken by Government to take up plantations on a sessible scale \$\$\frac{1}{2}\$ specifies existing Government machinary scale.

cope with the work load, visible commercial undertaking many by set up for plantation purposes

4. It is gatesoffy been that serry year corns of savings are planted. But on evidentities a made as to have more affect them do careful manual a most area shower most of them do careful more follower. Once follow to care any area control at the most of the saving control on to most maximum survival of these savings are maximum survival of these savings are most an to most one maximum survival of these savings are most area.

65 The utilisps community should be closely associated with manuscrape of utilisps Society. By appointing the own water has disselled by appointing the own water has disselled by appointing the own house and water and the own water has obtained as to get associated as specified as the producting a target number of former operations also get number of former own water of the own producting as the presents in the face of new-co-operations that is a producting a specified in the own plants the present in the face of new-co-operation.

B A twittern of levels right flore the Glama be panchaged that the translational amenium and be broadland to the control of th

(7, Ret a ch should be made to find one after after the me to a could be made to find one after after the me to a could be made to find one after after the me to a could be made to the could be made to the could be after after the me to a could be appealed to the could b

is Adequate legislature and administrative mentions should be under taken for protection

elt bliv 14

(B) At the block level a separate Essension Officer on Euretry should be appointed to be in there of creating 3 consciousness amongst the people should expension methods about the unbit of forest and is one to mention the according to blasser. He could also be in charge of execution of different forestery achieves in the Block set.

10) The anxiety expressed by the present constant for maintaining the cosystem by way of open of a separate Darwinsest of the same and Wed. List Conservation should be taken as a cute by the State Government who should also given simulat separate department at should also given simulat separate department at

(11) Lists but not the sext a national structure or should be indensitien by the people structure of the sext of the people structure of the sext of t

(12) The policy of conservation and management of conservation and conserv

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Tribal Development Programmes in Phulbani, Orissa: A Review

S. N. Tripethy

The backwordness of Driess is observerised by low income layely, higher dependance of population on poorly developed agriculture. larger proportion of Scheduled Tribes and Scheduled Castes population, lack of urbanisation and nadequese infrastructure. The tribel population constitute nearly 23 per cent of the total population of the State. One of the most beckward districts of Orisea is Phulbers with 39 per cent of tribal population. The majority of shorn belong to the Khonds who work as labourse(*). Abject poyerty and inequality in the distribution of wealth and income are deep roceed in the sitbal sisters of Phulbans. In the Pre-undepositiones een shapolicy of legistion and spettly of the Brighters. caused great hordships to the tribate. In fact they were expicited by the Zamindars, landloide moneyingders and contractors(3)

Fribat Sub-Plen-After Independence, the Government took various massisses to stimulate the natio-economic exploration of the tribels. Stees were also taken to amoli, see their condition by combating the problems of poverty me nutrition, ill ireasming by au table legislative measures and planned at name day tooment The new approach to tribel development was evolved during the Fifth Five-Year Plen period, With focus on development of hibsle, the new strategy adopted was the proparation of Sub-Pten for tribel areas with more than 80 per cern tribal condenination. The main thrust of tribal Sub-Plan (Otherwise known as Integrated Tribel Development Programmo) is to develop infrastructure like communication, education, mini-impation and income generation of what families living below the poyorty line. The prime aim of Tribal

previopment Programme is to raise the economic storedurd of wibels by providing them the best minimum requirements. On the base of the concept, 19 Integrated Tribal Development Programme above several sections to the State.

The sub-plan strategy not only also at bridging the gap of development between subplen cross and other asses but also achievement of the sub-potre of emproving the qualities of life of the potast?

In the district Publicans, Universe the Reresequent Public Development Approach Stocilosumin Bullgrade ITDA covers 3 Blocks of those of the Publicans and Probation TOA covers of Rs. 40 to Makin king level International Association of the Rs. 40 to Makin king level International Association of Rs. 40 to Makin king level International Publicans of Publicans and Publicans Conference on the Publicans of Publicans and Publicans associated with tools the publicans of Rs. 40 to Making Conference of Rs. 40 to Making the Publicans of Rs. 40 to Making Conference of Rs. 40 to Making departure as associated with Publicans departure as associated with Publicans departure as associated with Publicans departure associated by the Stociation of Publicans departure association build with the following departure association build work the following departure association build work the following departure association of the Publicans departure associa

(e) Agriculture

About 80 per cess of the people depend upon appropriation in this district. The coinvable is as of this district in 2.37 lab) breakes (or it which collect to 2.37 lab) breakes (or it which collect district area is 2.09 lab) hebreak. The externed if high, medium and low trade is 1.42 lab) breakes (0.40 lab) hebreak as respectively. Poddy is the major to set look of the people of

of lengroved sends, free distribution of seed mirikita has been taken as a strategy for agricultural development, Besides, extension work is done to motivate the farmers to direct high marginal lands from paddy to other crops to derive higher income. During 1964-65 as eres of 1,636 hoctares of land has been diversed from paddy to oil seeds and polises. During the year 1985-85 an area of 75,165 tectares has been brought under pulses and 56,828 hectares under oil seeds as part of the national objectives of increasing production of

pulses and oil seeds. (4)

(b) Animal husbandry The performance under access husbandry covers assistance to mbals in fearing miles castle, opening poultry and ocenery units, provieion of health covers to animals etc. This programme has a special significance for the washest sections of the community comprising the landless and marginal farmers. In order to uslift the standard of tiving of the poor tripals. this programme distributes the milch primate ngulby units, goetery units at 50 per cent subside to the bibels. There are about 100 centres, 25 veterinary dispensaries functioning in the district.

(a) Irrigation Irrigation plays a trucial role in increasing the food production, bringing more area under cultivation and in raising the level of income and employment The district of Bough-Chandrals has no major irrigation project. Hardly 13 per cent of the cultivated area is under intigation as against the State average of 25 per cent. There is only one medium intestion project which irrigates about 49,000 scree in Kharif and 5 000 scree in Robi in Boudh and Harabhanga Blocks. (5) A medium influstion project known as Bandsololi Irrigation Project is under progress in Kotgarh Block. 24 lift injurion points gra in operation in this district with an arrecut area of 2,940 hectarea acreading over four blocks, namely, Koncamel. Bough, Hershitungs and Tumoribs dh. The sing process of the SR. Irrigation programme in Phulbeni is due to the fact that the ground water resources are limited. Energisation of dug-wells has not succeeded due to limited progress in rural electrification in the district

Sail Conservation

Soil and water conservation programmes are of peremount significance in view of undulated and plan pariod, 736-076 hactness of lends were of inclacionness taking of tress and "Fodu"

covered under land development programme. Under Coshew plantejon 1,281 hectaris, Sisal plantation 40 hectares, coffee clantation 113 buctares were opered under soil occaervation programme (6)

(a) Horticulture

Horticulture tun a special place in the tribal development programme. Because of soil erosion the tree cover is fast disappearing. An extensive programme of Honiculture is ideally suitable to the peeds and habits of the bilbals with congenial climeds condition for plantation works. Palmarose cultivation is very profitable and suitable to the climatic situation of the district which can be grown in marginal land. The Orissa University of Agriculture and Technology has been sesigned with the task for taking up patmarosa cuttivation in 8 hectares. During the year 1965-86, reixed pechand planestion works have been undertaken occurring 512 benyliciaries of E. R. R. P. and L.B. D. P. in 1.024 sores of lands (7)

(f) Supply of Drinking water Out of 4,659 villages and hamlets of the

district, 1,239 have been identified as problem villages in respect of drinking water-supply. By the and of Sixth Plan period. 900 villages were fully covered by providing tube we'll and 167 villages were partly covered leaving 172 identi-Sed villages yet to be covered. During the sald period, 2,216 tube wells have been installed. (8)

Education is the say to tribal development. Education is not only an input for economis development but is assertial for providing inner strength to the community in order to meet the new challenges. The district Phulberi has about 27 per cent of theracy as against the State average of 342 per cent. During Sixth Plan puried 3:20 lake berry and 1:60 takes girls in the now proup of 6 to 14 have been enrolled in Primary and Middle Schools. During the said period, 34.762 edults, 26,440 males and 8,322 Semales have been made Storese through 1,896 centres opened. For stround development of Scheduled Cests and Scheduled Tribe population (which constitutes 18:67 per cent and 39:16 per cent of the total population respectively) the Harrian & Tribal Welfere Department had

residential and non-residential. (h) Forestry

(a) Education

accoplished 21 institutions including both Forest stee covers 52'90 per cent of the oncorreptical area of the district. But because cultivation processed by the tribels there is a considerable deforestation. Emphasis is faid by Government an efforcetation programme and accordingly Government have instructed to ear-mark 20 per cent of N.R.EP. and RLEG.P.

gram for this purpose. Afforestation programme is being taken up to order to maintain ecological balance and economically help the tribal people who depend upon forest collection for their livelihood along with penerating employment opportunities. The agro-climatic condition of the district in concenial for rubber plantation and therefore, during the Year 1884-85, 2 herteres of eren have been povered by rubber electation on experimental besis. By the said paried 2.952 hactorie have been covered under social forestor programme.

(i) Co-operation

To provide a peckage of services under one root to the tribel L. A. M. P. Co-operative Societies are playing a commendable role in Phulbani.

The district has 145,750 apricultural families out of which 122,250 families including 27,345 Schoolshid Ceste families and 51,453 Schoolsfed Tribe families have been brought under the envenerative fold Daving the period 1981 to 1985, Co-speretive Societies have financed Rs. 914:17 lakhs under grop loans. (B).

(j) Communication

The district leaks adequate communication facilities. The hilly terrain which is colo-crossed by numerous till-streams make meny pockets Ineccessible. The district has a total length of 7.190 Kms of surfeced roads out of which only one-tereb is metalic. Out of 4,397 inhabited villages 987 ste linked by all weather toods. (10) This is the only district in the State which has no railway fine and recently survey of new

rall-line connecting Xhunda Road to Bolangia which will pres through the district has been taken up. This rallway fine when completed,

will resec a long felt need of the people and ser as a catalest for development of this under developed district.

A percent of the engly brings into tight than despite tribal development plans, the advantages of class have not benefited to me tribal poor and weeker services of the community. Under plan schemes, the Government of Orises had altered Rs. 4,391 to takks in the district during 1974-75 to 1884-85 it combs to only 29 per cent of the total State's allocations of plan recourses which is the lowest place in the State and therefore, resulted in widespread poverty.

Is in therefore, supposed that credit and marketing facilities should be streamlisted in order to provide consumption-pure-production credit and to provide appoint price for tribal produce. The co-contrains assurance is to be designed so deravide intercented couldt and other package services to the sribals

Universalisation of elementary education has to be sessed through providing a package of garyions and innovation in organisation, institu-

Lack of adequate transport facilities has been the chief obstacts for the rapid economic development of the district. Hence, infrastructurn development should support specific enonomic activities the all-weather links to market centres, rural electrification helding develop lift injection corrected and household and village Industries.

Indeed, to make the tribals land a better life and thoreby, to open into the main-atream, a final took as the wital evolutes and a new strategy for their development is inevitable.

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